Robnst; stems erect or at length prostrate, compressed, sparingly branched. Leaves Hect, appressed, imbricated, not changed in drying, oblong-ovate, concave, subplicate, the apex ahruptly piliferons, the pilum often recurved, the margins entire or subserate acarcely recorved at the base; the base somewhat narrowed and romiled, the angles excavated; cells narrow and nearly straight and uniform except at the very base where they are shorter and slightly inflated (oval or roundish), hut not more pellucid.-The reticulation of the smbplicate leaf stggests a C'omptothecium, the pilnm at the apex is much as in E'mrhymehium piliferm, while the general hahit of the plant is Rhymelostegivirl.

The April Flora of Cedak Feys, Fha.-Entering a new conntry the change luings to view much that is novel, interesting and instructive to an observing mindLeaving with the setting sun the rolling upland country and passing through the lowlands of pine and hammork, we reached at night the west coast at Cedar Keys. In the morning a varied seenery presented itself. From the eenter of a V-group of keys, twenty or thirty in number, extended tomy risht the witle expanse of the Great Gulf of Mexico, and to my left the low line of pines defining the distant shores of the mainlamd until lost in the misty horizon. Of these keys or islands some are small, low and frefuently inundated by the tidal wave. Such yield inviariably deiremin tomentosn,
 L., var. ombigut, Gr., ind little else save beds of a smali bivalve kaown here as the "roon oyster." The more elevated islands, traversed by sand ridges, knolls and shell mombls, contain a Hora twally rich in species; and notably prominent appear dense
 are extremely abmelant.
'The hackwardness of the vegetation, the damp atmosphere and the rough sea at hhis season oceasioned by the continued strong sea breezes, and the minviting appearame of the village with its legitimate ratio of the colored race, wonld have offered no indurement to a prolonged stay. The desire, however, for mail communication from the North catused me to remain for a time, and meanwhile devote my attention to a rarefal study of the vegetation of the lieys and accessible shores of the mainland.
ln the streets of the town and along the railrom occored in great abmance
 with red flowers. Also Étphombin hetrophylla, L., Guxsiat mecedrutulis, L. and obtusifolia, L., the last two so often seen smbequently in the side streets and alley-ways of old lowns and villages. An aged citizen of Tampa informed me that many years ago these -pecies of (assia were introbluced there as coflee plants but soon fomblheir way among the other weeds in the waste gromuls.
'The botany of the barger Keys was interesting becatuse of the variety of the vegetation appearing in small circomscribed areas, and frequently each Key yielding specien not ohserved upon the others. Lacking proper boat tacilities, the only mans of access to these coast ishands, I depended upon the bateat for the near keys and chance opportumities to reach the distant omes. To the North Key, one of the largest, most distant and interesting I was taken throngh the kindness of Capt. McElvaine who was in search of floating timber: and during has day's work around the island, left me to the study of its regetation which engaged my time both pleasantly and profitahly. Among the more interesting finds here were Maytemus phyllonthoidex, Benth., Sapindus mar-

 "wssefolimm, Decaisne, Rhymbospor" megalomom, Gray, and stemotaphereme Americam1 m, sehrank. To the citizens each Key is known by a specific name while the word Cedar distinguishes the group). This generic term fed me to form a mental pieture of islands covered with Cedar, but quite contraty to my expectation, the (batr Wood,
 of small straggling dwarfs comprise the entire living representatives of a past pencilwood forest. Athough the location of the Faber Pencil-mills, their wood is ohtainet chiefly, I was informed, trom the banks of the Suwanee, a river twenty miles distant.

The town of Cedar Keys is divided equally between two aljacent keys, the one sustained ly its pencil and lumber mills, the other by its stores, hotels and transit depot. On Way Key, containing the business portion of the town, oceurred such plants als Erythrinu herbecte, L., ornamental with its handsome foliage and bright scarlet flowers, but an ungainly looking shrub in its naked attire of spiny twigs; the yellow flowered Mentzelia Floridnur, Nutt, and the white blossomed Bidens lencauthe, Willt., logether luxuriating upon the dry shell mounds; the spiny shrubs of Bumelin purcifolia, D('., and Lycium Corolinimum, Michx., with the ereeping Irexine cermirularis, Moquin, marking the limit of the tidal wave; while seymeria pectinutu, Pursh., Ipomere sinuta, Ost., and Euphorlun pilnliforn, L., were scaree and limited in their range; Eusturhys petrum, Desw., with sometimes many spikes; Cynodon Ductylon, Pers., forming dense mats in the loose white sand; Melirn mutica, Walt, appearing in the shaded nooks on the momnds: Zomin integrifolio, Willd., the Flordala starch plant, with its red, novel cone-like aments just emerging from amidst its spreading fern-like leaves; Cure.t leucorum, Willd., var. Floriddutm, with lenticlar achenia; Rhynchosia minima, DC\% of green and variegated foliage: sugeretin Michannii, Brongn.., and opuntin Fious-Indicms, Haw.

Agrecable to the desire of a New York friend I engaged with him a small sloop for a few hours pleasure ride with the privilege of landing on suake Key, an island several miles distant and so named because of the supposed abondance of snakes on itLpon arrival we joined in crossing, with the direction to meet the boatman on the opposite side. We hat just entered and the bright yellow flowers of helienthus priteon. (iray d Eng., arrested my attention when my friend, a few paces in advance, leaperl, yofled, and cried simultaneously "snake bitten." At first I felt concerned hut soon comprebended the sithation : he had strayed among a nest of spanisl Bayonets, V'uctu menfolie, L., most fomidahle growthe with which to come in contact; and they appear too so plentifully along this coast. After culling specimens of Physurlis Pemnsylramion. L., and I'hyllonthus Vimri, L., the latter a low perennial of straggling firutescent ap)pearance we again entered our boat and continued sail.

Gainsville is located upon an elerated rolling country, extending south to Bronson where it abruptly terminates in a low flat pine comntry, continuing to the Gulf of Mexico, interspersed here and there with dense impenetrable jungles of vegetation, defining. the low fertile hummock lands. It was on these high and dry sind-ridges that the em. petraceous shrul, Ceratiold ricoides, Michin., occurred so abundantly and seemed novel in its evergreen spheroidal forms, and the beantifnl Zormia dotted the ground of the open upland pine forests with its green tufts of Cyeas leares, and later in the season the green leases and white flowers of the Cabmint Cinrolimian, brays, closely covered and hid to view the stagnant ponds aromed.

Near the fint the rablroad passes for a distance of tour miles through this demer regetable growth of the cireat Gulf Hummock, represented to be twenty miles longr and half that width and penetrated by three large rivers convering their waters to the Gulf. The promising appearance led me to extend my researches to these jungles. Notwithxtanding a large portion of the time being consumed in reaching and returning daily from these somewhat distant grounds, 1 succeeded in two visits in enlarging my rollection with specimens of' such plants ats Chrysoluthmux ohlougifaliux, Mx., futhetir





 Mx., and gymmuctrpm, Ell., ('retregu"s apiifolic, Mx., and .Ispidium, cristutum, Swartz, var.. Fluridnnum, with others previously detected.

Other plants seen growing sparingly upon the Keys were Gumation obtusifolio. D(., Rhizophora Mrngle, L., and Lagumblucion rocemosw, Galartn., these with a few others mentioned find here perhaps the ir northern limit.

The armagements completen, the present flora about exhasted, I was quite willing to depart conthward in a small schomer beyond the distant highlands of Tampa to enter upon the study of a new fied of natures richeat Horal displays.-Dr. A. P. (iakвев.

Noten on the history of Heldanthe's tuberosts, the nocalled Jerdsalem Astienoke: by J. Itrmmont Trumblell amal Asw Gray, American Journal of Science and Arts, May, 187\%. We make the following extract: "Linosels, in the Species Plantarum, gave to Heliunthux tuberosus the 'labitat in Brasilia.' In his carlier Ifortux 'lifffortionus the habitat assigned was 'Canala.' M. Alphonse Def'andolle, in his GerIrmphie Betanique, II., 824, (185) , refers to this as deededly an error, at least as to ('mada properly so-ealled," assigns good reasons for the opinion that it did not come from Brazil, nor from Pern (to which the name under which it appeared in cultivation in the Farnese garden semed to refer), lut in all probability from Mexico or the Unitandates. He adds that Humboldt did not meet wht it in any of the Spanish colonips.

About this time I received from my friend and correspondent, the late Dr. Short, of Kentucky, some long and narrow tubers of Heizuthens denemernetex, Lam., with the statement that he and some of his neighors found them goorl food for hogs, and, if I righty remember, hat phated them for that purpose. They were plamted here in the B tanic Garden : afteretwo or three years it was foum that some of the tubers produced were thicker and shorter; some of these were cooked atong with Jernsalem Artichokes, and found te resemble them in flawer, although coanser. Consequently, in the second
 II. Aommicondex is most probably the original of $/ 1$. Amberoxns. This opinion was -trengethened year after year hy the behavior of the fubers, and hy the close similarity of the herbage and flowers of the two plans, as they erew side by side indeed, as the two patches were allowed to run together in a wate or neglected place, they have become in a measure confounded. Wishing (o) obtain an momixed stock, I applicel last antumn to Prof.J. M. Conlter, of LIanower, Indiama, and received from him at good number of tubers from widd phats of the neighborhool, which will now he grown. some of these were slender, some thicker and worter, and a few were to all appearance identical with derusalem artichokes. It they were really all from one stork, as there
 witterl.

 my collection:
 Humbold.
 groves.

Hypericm, umliftornm, Micha. Brink of C'edar River, fise miles above ('edar Rap. ids, dune 26, $18: 6$.
''ymopterus glomerotes, Prof. F. L. Ilarvey, 1875, Inmboldt, la. - frare plant here.
setarin Italica, Kunth ., College Farm, Ames, 18i6.

